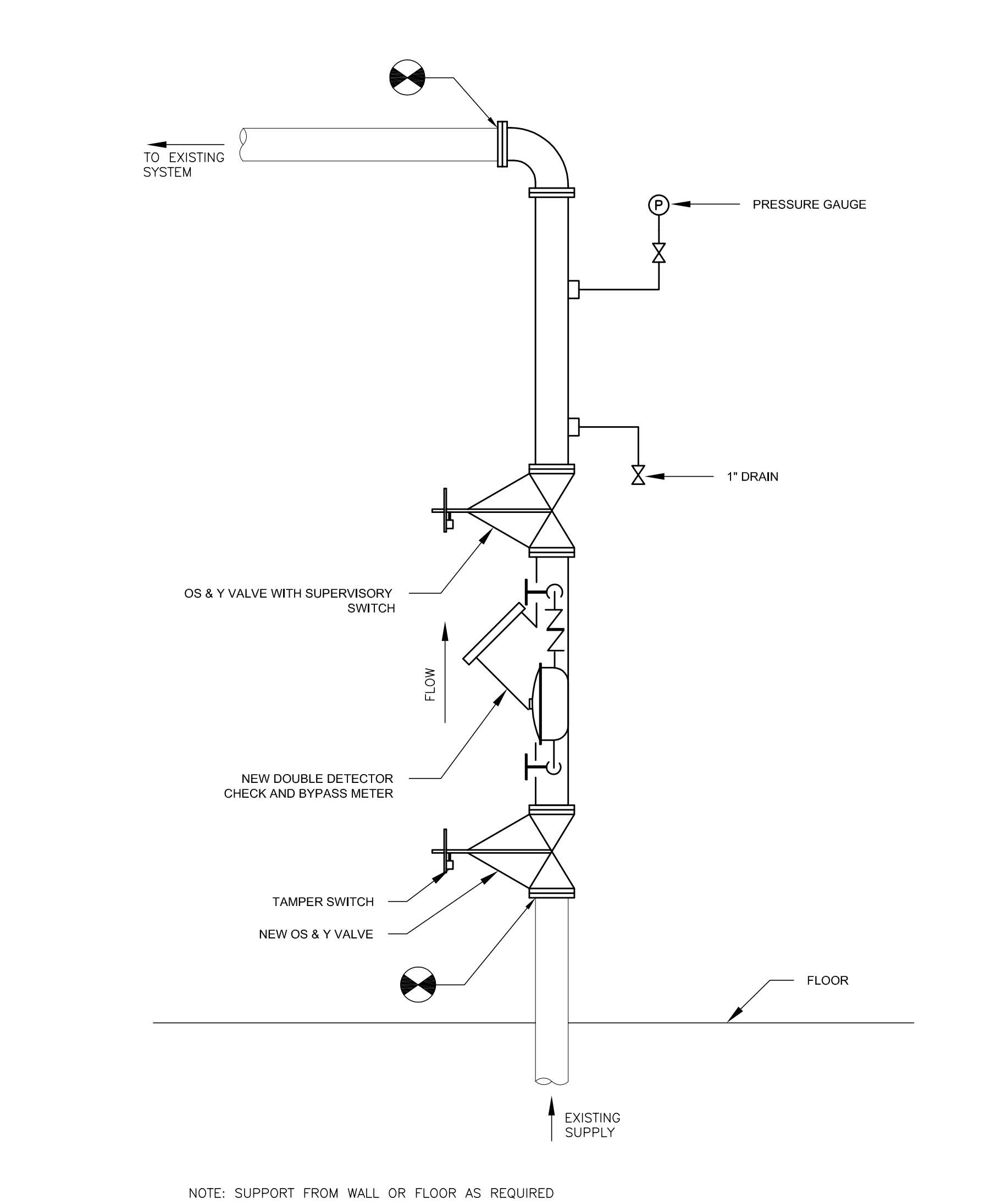
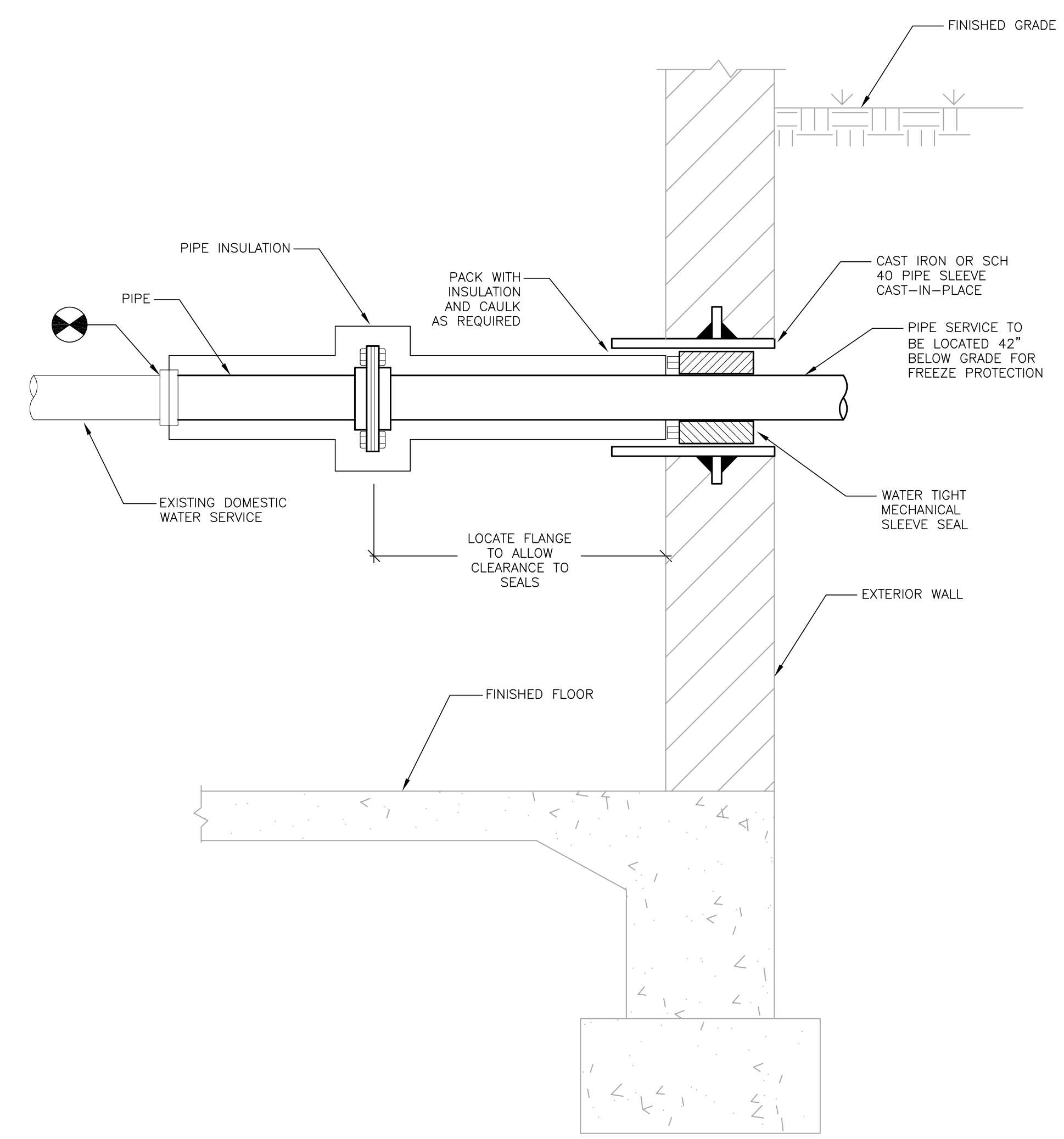
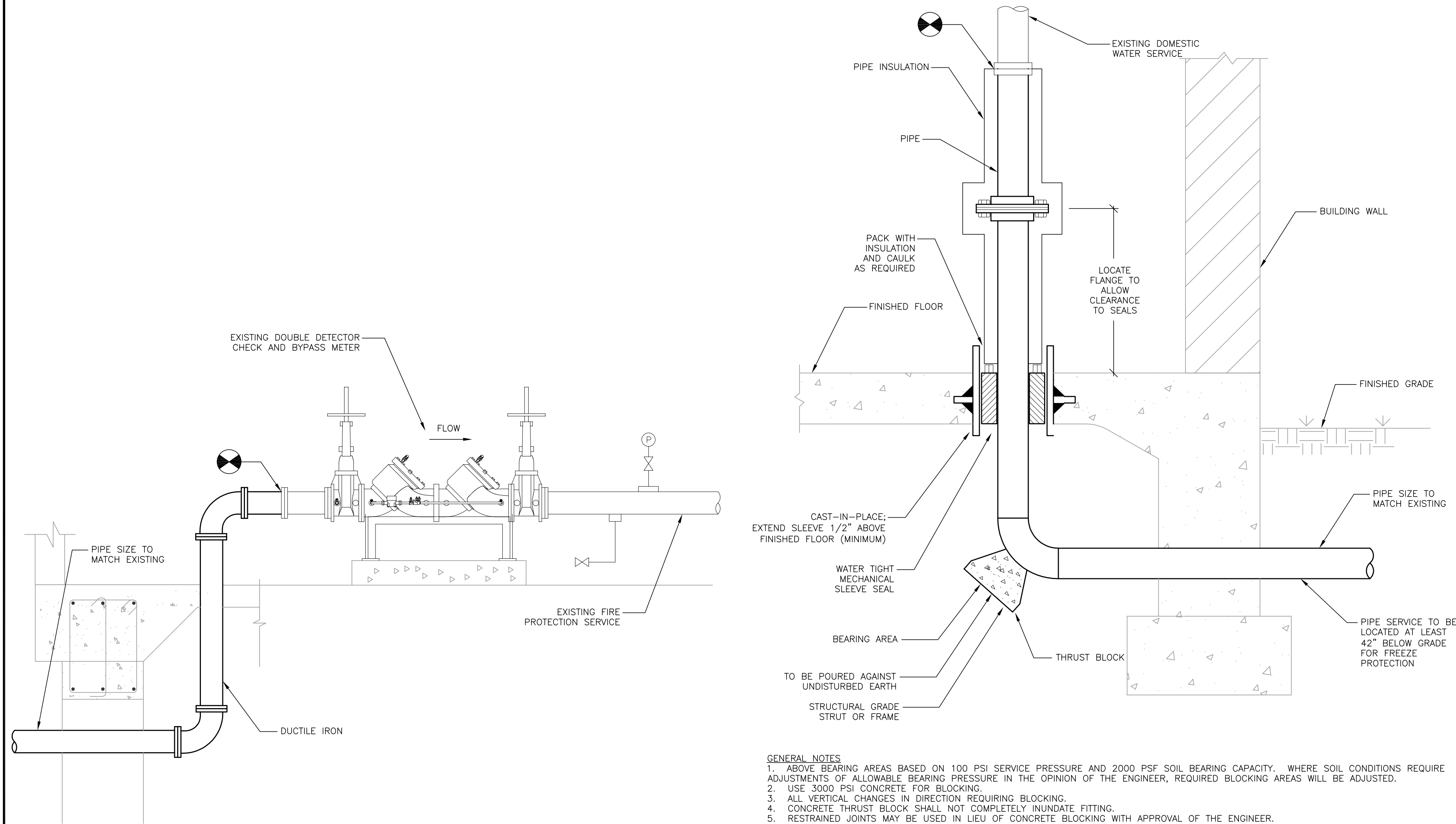


- GENERAL NOTES:
- DO NOT INSTALL CHECK VALVES OR PRESSURE REDUCING DEVICES UPSTREAM AND LESS THAN 5 PIPE DIAMETERS DOWNSTREAM OF THE WATER METER.
  - ELBOWS, BENDS & NON-CONCENTRIC REDUCERS SHOULD BE A MINIMUM OF TEN (10) PIPE DIAMETERS UPSTREAM OF THE METER.

1 BUILDING 53 DOMESTIC WATER & FIRE PROTECTION CONNECTION WITH EXISTING BACKFLOW PREVENTERS

2 FIRE PROTECTION BACKFLOW REPLACEMENT NOT TO SCALE

3 DOMESTIC WATER BACKFLOW REPLACEMENT NOT TO SCALE



- GENERAL NOTES:
- ABOVE BEARING AREAS BASED ON 100 PSI SERVICE PRESSURE AND 2000 PSF SOIL BEARING CAPACITY. WHERE SOIL CONDITIONS REQUIRE ADJUSTMENTS OF ALLOWABLE BEARING PRESSURE IN THE OPINION OF THE ENGINEER, REQUIRED BLOCKING AREAS WILL BE ADJUSTED.
  - USE 3000 PSI CONCRETE FOR BLOCKING.
  - ALL VERTICAL CHANGES IN DIRECTION REQUIRING BLOCKING.
  - CONCRETE THRUST BLOCK SHALL NOT COMPLETELY INUNDATE FITTING.
  - RESTRAINED JOINTS MAY BE USED IN LIEU OF CONCRETE BLOCKING WITH APPROVAL OF THE ENGINEER.
  - CONTRACTOR TO SUBMIT PRICING FOR FLOOR SLAB PIPE PENETRATIONS AS A SEPARATE LINE ITEM.

4 FIRE PROTECTION CONNECTION WITH EXISTING BACKFLOW PREVENTOR NOT TO SCALE

5 FLOOR SLAB PIPE PENETRATION NOT TO SCALE

6 EXTERIOR PIPE PENETRATION - BELOW GRADE NOT TO SCALE

7 BUILDING 228 FIRE PROTECTION ENTRANCE NOT TO SCALE

Revisions	Date

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**PHASE 2 - CONSTRUCTION DOCUMENTS: MAY 22, 2012**

Drawing Title  
**PHASE 2 - BUILDING SERVICE DETAILS**

Approved: Division Chief  
Approved: Service Director

Project Title  
**VA MEDICAL CENTER  
REPLACE EXISTING  
WATER MAINS PROJECT**

Building Number  
Checked  
**R.RUFFIN**  
Drawn  
**C.POWERS**

Location  
**HINES, ILLINOIS**

Date  
MAY 22, 2012

Project No.  
VA#69PD-RA-1465  
HGA#2606-008-00

DRAWING NO.  
**PL-700**  
Dwg. 09 of 09

Office of  
Facilities  
Management

Department of  
Veterans Affairs